

ASBESTOS ASSESSMENT SURVEY

Building #: 15
Project Number: 0980193E
Project: G. HEILEMAN BREWERY "E"
Date Inspected: 03/28/89
Inspector: MARK VOTH

Building Number: 15
Building Name: OLD KEG WASHING
SEATTLE, WASHINGTON 98134
Building Type: KEGGING
Year Constructed: 1940

*****	AREA NUMBER: 01	AREA DESCRIPTION: 1st Floor	AREA AVERAGE % ASBESTOS: 27%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
along north wall-at ceiling	00-356344	30%	wrapped cardboard/paper pipe	OMA	64 ft.	4 in. O.D.	DW	23	111	\$571	\$357	\$928
along south wall-at ceiling	00-356344	30%	wrapped cardboard/paper pipe	OMA	80 ft.	4 in. O.D.	DW	23	111	\$714	\$446	\$1,160
above keg line-along ceiling	00-356351	30%	pipe covering	OMA	143 ft.	4 in. O.D.	HPS/R	23	111	\$1,276	\$798	\$2,074
northwest stairwell-along ceiling	00-356351	30%	pipe covering	OMA	17 ft.	6 in. O.D.	HPS/R	23	111	\$221	\$138	\$359
near southeast corner-at keg line	00-356351	30%	pipe covering	OMA	44 ft.	4 in. O.D.	HPS/R	23	111	\$392	\$246	\$638
along north row of columns-at ceiling	00-356351	30%	pipe covering	OMA	63 ft.	4 in. O.D.	HPS/R	23	111	\$562	\$352	\$914
northwest corner-at ceiling	00-356351	30%	pipe covering	OMA	8 ft.	6 in. O.D.	HPS/R	23	111	\$104	\$65	\$169
near west wall-along ceiling	00-356351	30%	pipe covering	OMA	70 ft.	6 in. O.D.	HPS/R	23	111	\$909	\$568	\$1,477
along south wall-at ceiling	04-356345	40%	mjp on wrapped cardboard/paper	OMA	5 4 in.	O.D.	DW	23	111	\$140	\$78	\$218
along north wall-at ceiling	04-356345	40%	mjp on wrapped cardboard/paper	OMA	7 4 in.	O.D.	DW	23	111	\$197	\$109	\$306
	04-356346	40%						23	111			
	04-356347	40%						23	111			
northwest corner-at ceiling	05-356348	7%	mjp on non-suspect pipe cover	OMA	2 4 in.	O.D.	DW	23	111	\$56	\$31	\$87
near west wall-along ceiling	05-356348	7%	mjp on non-suspect pipe cover	OMA	3 4 in.	O.D.	DW	23	111	\$84	\$47	\$131
	05-356349	10%						23	111			
	05-356350	10%						23	111			
near southeast corner-at keg line	06-356352	3%	mjp on pipe covering	OMA	4 4 in.	O.D.	HPS/R	23	111	\$112	\$62	\$174
northwest corner-at ceiling	06-356352	3%	mjp on pipe covering	OMA	2 6 in.	O.D.	HPS/R	23	111	\$77	\$45	\$122
above keg line-along ceiling	06-356352	3%	mjp on pipe covering	OMA	14 4 in.	O.D.	HPS/R	23	111	\$393	\$219	\$612
above keg line-along ceiling	06-356352	3%	mjp on pipe covering	OMA	2 6 in.	O.D.	HPS/R	23	111	\$77	\$45	\$122
along north row of columns-at ceiling	06-356352	3%	mjp on pipe covering	OMA	2 4 in.	O.D.	HPS/R	23	111	\$56	\$31	\$87
near west wall-along ceiling	06-356352	3%	mjp on pipe covering	OMA	1 6 in.	O.D.	HPS/R	23	111	\$39	\$23	\$62
	06-356353	10%						23	111			
	06-356354	10%						23	111			

AREA COMMENTS

AREA # 01 TOTAL \$5,980 \$3,660 \$9,640

The materials are in good condition with minor contact and water damage. The materials are approximately 3' to 12' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, glove bag removal procedures are recommended. This appears to be a low traffic area.

*****	AREA NUMBER: 02	AREA DESCRIPTION: 2nd Floor	AREA AVERAGE % ASBESTOS: 25%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
near S electrical panel-at heat exchange	00-356336	20%	pipe covering	OMA	17 ft.	4 in. O.D.	HPS/R	38	111	\$152	\$95	\$247
north wall-near stairs	00-356340	30%	wrapped cardboard/paper pipe	OMA	12 ft.	4 in. O.D.	DW	38	111	\$107	\$67	\$174
near S electrical panel-heat exchanger	01-356333	50%	boiler/tank insulation	OMB	193 sq.ft.			38	111	\$5,452	\$4,368	\$9,820

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near S electrical panel-at heat exchange	01-356334	20%	mjp on pipe covering	OMA	2 4 in. O.D.	HPS/R	38 III	\$56	\$31	\$87
	01-356335	20%					38 III			
	02-356337	10%					38 III			
	02-356338	10%					38 III			
north wall-near stairs	02-356339	10%	mjp on wrapped cardboard/paper	OMA	3 4 in. O.D.	DW	38 III	\$84	\$47	\$131
	03-356341	30%					38 III			
	03-356342	40%					38 III			
	03-356343	40%					38 III			

AREA COMMENTS

The materials are in fair condition with minor contact and water damage. The materials are approximately 1' to 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, gross removal procedures are recommended. This appears to be a low traffic area.

AREA # 02	TOTAL	\$5,851	\$4,608	\$10,459
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BUILDING # 15	TOTAL	\$11,831	\$8,268	\$20,099
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ASBESTOS ASSES. SURVEY

H-K Building #: 17
 Project Number: 0980193E
 Project: G. HEILEMAN BREWERY "E"
 Date Inspected: 03/24/89
 Inspector: TIM SWARTZ

Building Number: 17
 Building Name: ENGINEERING OFFICE
 SEATTLE, WASHINGTON
 Building Type: OFC/STRG
 Year Constructed: 1933

*****	AREA NUMBER: 01	AREA DESCRIPTION: Basement-South Crawl Space	AREA AVERAGE % ASBESTOS: 54%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southeast corner	00-356244	60%	pipe covering	OMA	5 ft. 4 in.	O.D.	HPS/R	45	11	\$45	\$28	\$73
southeast corner	00-356244	60%	pipe covering	OMA	18 ft. 6 in.	O.D.	HPS/R	45	11	\$234	\$146	\$380
along south, west & east walls	00-356248	50%	corrugated pipe covering	OMA	115 ft. 4 in.	O.D.	HPS/R	45	11	\$1,026	\$642	\$1,668
southeast corner	01-356245	60%	mjp on pipe covering	OMA	5 6 in.	O.D.	HPS/R	45	11	\$193	\$114	\$307
southeast corner	01-356245	60%	mjp on pipe covering	OMA	1 4 in.	O.D.	HPS/R	45	11	\$28	\$16	\$44
	01-356246	60%						45	11			
	01-356247	60%						45	11			
along south, west & east walls	02-356249	40%	mjp on corrugated pipe cover	OMA	15 4 in.	O.D.	HPS/R	45	11	\$421	\$234	\$655
	02-356250	40%						45	11			
	02-356251	40%						45	11			

AREA COMMENTS

The materials are in fair to poor condition with significant contact and water damage. The materials are approximately 1' to 5' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, extensive gross removal procedures are recommended. This appears to be a low traffic area.

AREA # 01 TOTAL \$1,947 \$1,180 \$3,127

*****	AREA NUMBER: 02	AREA DESCRIPTION: Basement-South Crawl Space	AREA AVERAGE % ASBESTOS: 60%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southeast corner-on floor	03-356252	60%	debris	OMF	14 sq.ft.			113	1	\$100	\$0	\$100
	03-356253	60%						113	1			
	03-356254	60%						113	1			

AREA COMMENTS

Magnesia pipe insulation debris was found in this area. It was mixed in with the soil floor so a portion of the soil should be removed at the same time that the debris is removed. When removal becomes feasible, gross removal procedures are recommended.

AREA # 02 TOTAL \$100 \$0 \$100

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*****	AREA NUMBER: 03	AREA DESCRIPTION: Basement	AREA AVERAGE % ASBESTOS: 55%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
southeast area-at ceiling	00-356244	60%	pipe covering	OMA	10 ft. 4 in.	O.D. HPS/R	59	11		\$89	\$56	\$145
southeast area-at ceiling	00-356248	50%	corrugated pipe covering	OMA	22 ft. 4 in.	O.D. HPS/R	59	11		\$196	\$123	\$319

AREA COMMENTS

The materials appear to be in fair to poor condition with significant contact and water damage. The materials are approximately 10' from the floor. At a minimum, it is recommended that the materials be repaired and monitored. If removal is planned, localized glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 03 TOTAL \$285 \$179 \$464

*****	AREA NUMBER: 04	AREA DESCRIPTION: Ground Floor-North Storage Area	AREA AVERAGE % ASBESTOS: 80%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
south central area-at ceiling	00-356255	80%	pipe covering	OMA	10 ft. 4 in.	O.D. HPS/R	41	11		\$89	\$56	\$145

AREA COMMENTS

The material is in fair condition with minor contact and water damage. The material is approximately 10' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, localized glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 04 TOTAL \$89 \$56 \$145

*****	AREA NUMBER: 05	AREA DESCRIPTION: Ground Floor-Office In Southeast Corner	AREA AVERAGE % ASBESTOS: 80%	*****
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LOCATION OF THE MATERIAL	SAMPLE NUMBER	ASB	MATERIAL DESCRIPTION	O&M CODE	QUANTITY	UNITS OF MEASURE	PIPE ID	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
pipe chase-in southeast corner of room	00-356255	80%	pipe covering	OMA	8 ft. 4 in.	O.D. HPS/R	22	111		\$71	\$45	\$116

AREA COMMENTS

The material is in good condition with minor contact damage. The material is approximately 1' to 8' from the floor. At a minimum, it is recommended that the material be repaired and monitored. If removal is planned, localized glove bag removal procedures are recommended. This appears to be a low traffic area.

AREA # 05 TOTAL \$71 \$45 \$116

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BUILDING # 17	TOTAL	\$2,492	\$1,460	\$3,952
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